



CDF Operations Report

JJ Schmidt

22-Mar-2004

All Experimenters' Meeting



CDF SHUTDOWN WORK

- DAQ shutdown for first 2 days to do rearrangement of online computing room and upgrade online network.
- Low beta quads surveyed but NOT yet re-aligned (Tuesday?).
- Thermal imaging of COT end plate with (nitrogen) gas flowing and silicon cold.
- Mock up of COT gas system indicates condensing of alcohol may be a problem in cold spots on COT face.
- Two COT wire planes pulled and replaced.
- COT field sheet inspected.
- Plumbing and instrumentation installed in collision hall for COT gas recirculation system.



CDF SHUTDOWN WORK (cont'd)

- LONG list of detector maintenance items addressed.
- Some DAQ items (L2 upgrade, faster readout of TDCs).
- Insulated silicon cooling lines and COT gas lines on face of COT.
- Currently wrapping up COT work and checking out silicon.



Collision Hall COT Crew

Ken Schultz, Robyn Madrak, Bob Wagner, Aseet Mukherjee, Kevin Burkett, Wojciech Blaszyński, Joao Guimaraes Da Costa, Morris Binkley, Wanda Newby, Ines Ramos, Gino Bolla, David Ambrose

(in order of supervised access key list....)

I issued supervised access keys to about 100 people over the past 8 days. Many other people put in an extraordinary effort – particularly technicians working on COT gas system.



COT Work Environment





Motor and Constant Tension Clutch

(wire plane pull east bore)





SL2 Wire Plane Pull West Bore





Lookin' at a thing in a jar





COT Surgeon





SL4 Field Sheet Inspection East Bore





Gas Line Impedance Measurements





Insulation of Silicon Cooling Lines





Vibrations In CDF Low Betas

- Concerns for some time about vibrations in B0 region.
- Accelerator Division has made some measurements and discovered 12 Hz vibrations in invar rods supporting quads.
- Trucks are known to cause some problems.
- Will make measurements this week to see if HVAC, water cooling systems, or compressors are also driving resonance.
- Invar bars supporting quads may be retensioned.
- Work in progress....





CDF STATUS SUMMARY

- DAQ shutdown for first 2 days to do rearrangement of online computing room and upgrade online network.
- Currently wrapping up COT work and checking out silicon.
- DAQ system is being exercised and has no major problems.